



NEWS

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See MCI v. FCC, 515 F 2d 385 (D.C. Circ 1974).

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FCC ADOPTS WAIVER OF ITS EMISSION MEASUREMENT PROCEDURES FOR ULTRA-WIDEBAND TRANSMISSION SYSTEMS

Washington, D.C. – The Federal Communication Commission (FCC) adopted an *Order* in ET Docket No. 04-352 permitting radiated emissions from ultra-wideband (UWB) transmitters to be measured while the transmitter is in its normal operating mode. This waiver responds to the petition filed by the Multi-band OFDM Alliance Special Interest Group. The waiver provides greater flexibility and innovation in designing UWB devices.

The Commission previously established regulations permitting the marketing and operation of products incorporating UWB technology. Because UWB devices operate on the same frequency bands used by licensed stations, the Commission established a conservative procedure to measure the levels of radio frequency emissions generated by these devices. UWB transmitters that employ frequency hopping techniques must be measured with the hop stopped and the transmitter operating in a continuous mode; UWB transmitters that gate the emissions on and off must be measured with the emissions gated on. These procedures can result in measured emission levels that are greater than the UWB signal levels under actual operation.

In today's *Order*, the Commission is providing a waiver of the existing measurement procedure, permitting emissions from UWB transmitters to be determined with the transmitter operating normally. The Commission concluded that this would not result in increased harmful interference to licensed radio operations. This waiver applies only to indoor or handheld UWB devices. Further, UWB devices utilizing this waiver may not operate within the 5030-5650 MHz band used for aircraft landing systems and for weather radars. A decision to permit this waiver to apply to UWB devices that operate within the 5030-5650 MHz band will be made upon the completion of the interference investigation being performed by the Institute for Telecommunication Sciences. The waiver is effective until the Commission finalizes a rule making proceeding dealing with these measurement issues.

Action by the Commission March 10, 2005, by *Order* in ET 04-352 (FCC 05-58). Chairman Powell, Commissioners Abernathy, Copps, Martin, and Adelstein.

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ET Docket No. 04-352